

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
4	3	6172955.URPN.	USPAT	2004/08/07 16:26
5	15	format near3 additional adj1 space	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:27
6	1	concurrent with formatting with increment\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:28
7	3	(preformat\$4 near4 disk) and "without waiting"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:28
8	34	(background near3 (process or operation)) same (format\$5 with (storage or memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:32
9	4	((background near3 (process or operation)) same (format\$5 with (storage or memory))) and asynchronous\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
10	3379	(707/1).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
11	2414	(707/100).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
12	1278	(711/170).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
13	690	(711/173).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
14	156	(710/17).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34
15	211	(369/52.1).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/07 16:34



US Patent & Trademark Office

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

"disk formatting"



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)
Terms used **disk formatting**

Found 16 of 140,980

Sort results by

relevance

[Save results to a Binder](#)

Display results

expanded form

[Search Tips](#)
☐ Open results in a new window
[Try an Advanced Search](#)[Try this search in The ACM Guide](#)

Results 1 - 16 of 16

Relevance scale ☐ ☐ ☐ ☐ ☐

1 [Practical computer logic classes for computer science students: the use of logic analysers](#)

W. A. Coey, D. Q. M. Fay

September 1982 **ACM SIGCSE Bulletin**, Volume 14 Issue 3Full text available: pdf(292.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Undergraduate students in our Computer Science Honours degree course are introduced to logic analysers and other test equipment in a series of hardware experiments taken during their third year. This paper describes our approach and details of three of these experiments which use logic analysers.

Keywords: asynchronous logic, bus signals, students classes, synchronous logic

2 [Putting a local information system online using pre-packaged software](#)

Jennie Dautermann

 September 1990 **ACM SIGDOC Asterisk Journal of Computer Documentation , Proceedings of the 8th annual international conference on Systems documentation**, Volume 14 Issue 4
Full text available: pdf(617.07 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Many small organizations have the need for information storage and retrieval systems which they dream of putting on-line for ease of access. Such a project designed with modest equipment and pre-packaged software can achieve three important objectives: allow users to design their own access tools clarify the information needs of a community improve information access. These goals may be suffici ...

3 [TILT: Translation in Leisure Time](#)

Abby Gelles, Gary Harris

 September 1980 **Proceedings of the 3rd ACM SIGSMALL symposium and the first SIGPC symposium on Small systems**
Full text available: pdf(676.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper addresses the question whether it is feasible to implement a computerized translation between audio-visual equipment-driving programmers. Programmer systems are comprised of the hardware and software components which record and play back coded cues defining audio-visual presentation sequences. Cue sequence output differs between programmer systems in the actual coding schemes attributed to cues, the number contiguous of repetitions per cue (redundancy factor) in the output stream ...

Keywords: Audio-visual programmer, Cue bit stream, Leisure time

4 A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 8 Issue 4

Full text available:  pdf(6.32 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

5 Enabling trusted software integrity

Darko Kirovski, Milenko Drinić, Miodrag Potkonjak

October 2002 **Proceedings of the 10th international conference on Architectural support for programming languages and operating systems**, Volume 37 , 30 ,
36 Issue 10 , 5 , 5

Full text available:  pdf(1.39 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Preventing execution of unauthorized software on a given computer plays a pivotal role in system security. The key problem is that although a program at the beginning of its execution can be verified as authentic, while running, its execution flow can be redirected to externally injected malicious code using, for example, a buffer overflow exploit. Existing techniques address this problem by trying to detect the intrusion at run-time or by formally verifying that the software is not prone to a p ...

6 Access by content of documents in an office information system

C. Jimenez Guarin

May 1988 **Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available:  pdf(1.47 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents the integration of retrieval functions of an Information Retrieval System, IOTA, in an Office Information Server. Besides the linear scanning of the text (using a software and a hardware filter), two access methods are proposed. The first one is based on a simple indexing of documents based on signatures. Here, texts are treated as character strings. We call this method Textual Search. The second one is based on the extension of Signature Methods ...

7 The structure of microcomputer file systems

Donald Golden, Michael Pechura

March 1986 **Communications of the ACM**, Volume 29 Issue 3

Full text available:  pdf(941.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

With an understanding of the structure of microcomputer file systems and what causes incompatibilities between them, it is possible to write software that will enable one system to read files written by another—provided they have physically compatible hardware.

8 Developing and delivering hands-on training

Marilyn Everingham, Bill Brown

September 1986 **Proceedings of the 14th annual ACM SIGUCCS conference on User services: setting the direction**

Full text available:  pdf(1.48 MB)


Additional Information: [full citation](#), [index terms](#)

User education: a look at new technology

Jerry Martin

September 1986 **Proceedings of the 14th annual ACM SIGUCCS conference on User services: setting the direction**Full text available:  pdf(508.35 KB) Additional Information: [full citation](#), [index terms](#)**10** GUI Development with Java


Ian Darwin

May 1999 **Linux Journal**Full text available:  html(31.06 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Mr. Darwin takes a look at Java and describes the steps for writing a user interface in Java

**11** Best of Technical SupportJanuary 1999 **Linux Journal**Full text available:  html(7.46 KB) Additional Information: [full citation](#), [index terms](#)**12** Beyond traditional computer literacy


V. Arnie Dyck, James P. Black, Shirley L. Fenton

February 1987 **ACM SIGCSE Bulletin , Proceedings of the eighteenth SIGCSE technical symposium on Computer science education**, Volume 19 Issue 1Full text available:  pdf(544.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A new approach to computer literacy is emerging, an approach that de-emphasizes the traditional overview of hardware and software and minimizes the teaching of traditional programming methodology. This paper describes the design and implementation of a literacy course intended to develop effective users of common applications software, including word processing, spreadsheets, graphics and database management. The paper continues by demonstrating how many academic computer science concepts c ...

**13** Using HTML and JavaScript in introductory programming courses

Rebecca Mercuri, Nira Herrmann, Jeffrey Popyack

March 1998 **ACM SIGCSE Bulletin , Proceedings of the twenty-ninth SIGCSE technical symposium on Computer science education**, Volume 30 Issue 1Full text available:  pdf(607.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Students with little or no computer programming experience prior to entering college often have difficulty keeping up with the fast pace of college-level programming courses, even at the introductory level. For the past several years we have developed a curriculum for teaching fundamental language concepts to this population of individuals using the programmable features of a variety of software packages --- thus giving students nontrivial results with relatively little syntactic "overhead." The ...

**14** A field study of exploratory learning strategies

John Rieman

September 1996 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 3 Issue 3Full text available:  pdf(259.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

It has suggested that interactive computer users find "exploratory learning" to be an effective and attractive strategy for learning a new system or investigating unknown features of familiar software. In exploratory learning, instead of working through precisely



sequenced training materials, the user investigates a system on his or her own initiative, often in pursuit of a real or artificial task. The value of exploratory learning has been studied in controlled settings, with s...

Keywords: diary studies, discovery learning, exploratory learning, learning in the workplace, learning on demand

- 15 The evolution of microcomputing support services in the Chinese University of Hong Kong
Philip Leung
December 1992 **Proceedings of the 20th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(602.26 KB) Additional Information: [full citation](#), [index terms](#)

- 16 Working miracles: providing Mac & PC data recovery services
Irwin Tillman
September 1991 **Proceedings of the 19th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(696.07 KB) Additional Information: [full citation](#), [index terms](#)

Results 1 - 16 of 16

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



US Patent & Trademark Office

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide


THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)
Terms used **incremental formatting**

Found 4 of 140,980

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Display results


[Search Tips](#)
☐ Open results in a new window

Results 1 - 4 of 4

Relevance scale ☐ ☐ ☐ ☐ ☐**1 Incremental document formatting**

Pehong Chen, Michael A. Harrison, Ikuo Minakata

January 2000 **Proceedings of the ACM conference on Document processing systems**Full text available: pdf(631.10 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**2 PEN: A hierarchical document editor**

Todd Allen, Robert Nix, Alan Perlis

June 1981 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation**, Volume 16 Issue 6Full text available: pdf(834.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Three terms in common usage in computerized text processing are text-editing, word-processing, and computer controlled typesetting. This paper deals with a fourth term, manuscript preparation, that has important intersections with the above three. A computerized manuscript preparation system is one that supports an author in the preparation of a manuscript. In what follows we deal with one such, the PEN sys ...

3 The implementation of Etude, an integrated and interactive document production system

Michael Hammer, Richard Ilson, Tim Anderson, Edward Gilbert, Michael Good, Bahram Niamir, Larry Rosentein, Sandor Schoichet

June 1981 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation**, Volume 16 Issue 6Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Etude is an experimental text processing system that is being developed in order to formulate and evaluate new approaches to the design of user interfaces for office automation tools. The primary design goal for Etude is to provide the user with substantial functionality in the editing and formatting of documents in the context of a system that is easy to learn and use.

4 A reporting tool using "programming by example" for format designation

Tetsuya Masuishi, Nobuo Takahashi

January 2000 **Proceedings of the 5th international conference on Intelligent user interfaces**Full text available: pdf(527.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a report tool in which report formats are designated by "Programming by Example"-like operations. Users specify a sample layout of an example row of relational table data on a sheet, and select an iteration pattern of the sample layout. The tool extracts a set of general formatting rules from the sample layout. The rules consist of absolute positions

of non-iterative data, relative positions of iterative data, the iteration pattern, and the increment of the ...

Keywords: programming by example, relational database, reporting tool, user interface

Results 1 - 4 of 4

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) | [Publications/Services](#) | [Standards](#) | [Conferences](#) | [Careers/Jobs](#)Welcome
United States Patent and Trademark Office[Help](#) | [FAQ](#) | [Terms](#) | [IEEE Peer Review](#)[Quick Links](#)[» Search Results](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

Your search matched **1** of **1058483** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Characterization of three servo patterns for position error signal generation in hard drives***Hughes, E.C.; Messner, W.C.;*American Control Conference, 2003. Proceedings of the 2003 , Volume: 5 , 4-6
June 2003

Pages:4317 - 4322 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(420 KB\)\]](#) **IEEE CNF**